

$$\delta_L = \frac{\Delta L}{D_C} \text{ -dimensionless axial position}$$

ε - bed voidage

μ_0 - magnetic permeability of the vacuum, H/m

ρ - density, kg/m³

τ_{on} - length of the magnetization period, s

τ_{off} - length of the mixing period, s

θ - angular co-ordinate, deg

Subscripts

Exp. - experimental

Calc.- calculated

g - gas

p - particle

Abbreviations

MSB- magnetically stabilized bed

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